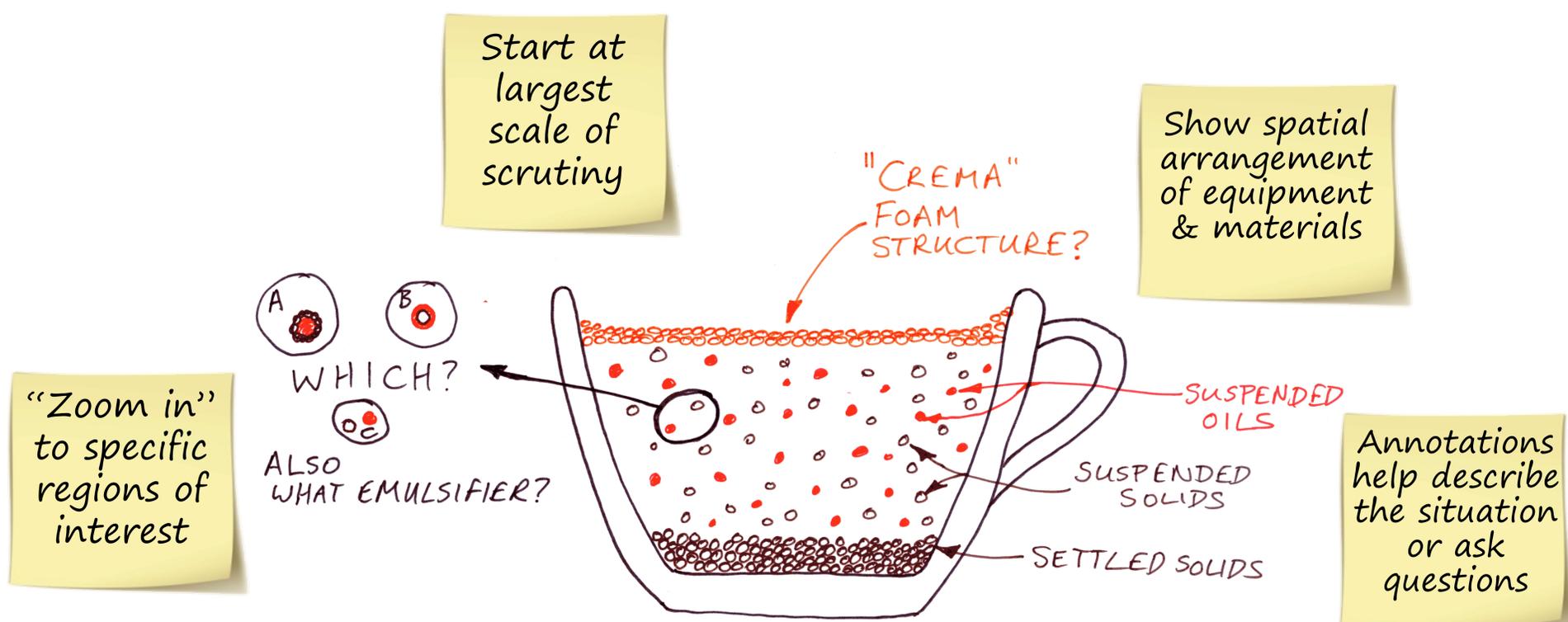# Rich Pictures & Rich Cartoons

Britest's **Rich Pictures** and **Rich Cartoons** are tools that help visualise and analyse the relationships between rate processes and influencing factors within a process or processing task. Rich Pictures are used to explore the relationships between the physical and chemical aspects of processing in order to build a deeper level of process understanding. They are particularly useful when considering the effects of spatial variability, such as:

- variation in local conditions within a vessel
- variation in material distribution in a solid mixture.



**Example Rich Cartoon for Coffee Flavour Extraction**

Rich Pictures typically focus on a single task within a Process Definition Diagram.

Where the variability in conditions within the task differs with time, then a Rich Cartoon can be developed from a sequence of Rich Pictures capturing the changing conditions and their impact on the process.



## Supporting organisations in gaining value from process understanding